

Work Order ID 93452

November-15-12 8:54:51 AM

93452

Page 1

Item ID: D4728-045
Revision ID:
Item Name: LH Cabin Speaker #3

Accept

N900040100

Setup Start ***NS1***

Stop ***NS2***

Start Date: 15/11/2012 Start Qty: 2.00

2

Required Date: 29/11/2012 Req'd Qty: 2.00

2

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan: ML5 Date: 12-11-15 Tooling: Date:
QC: Date: SPC (Y/N): Date:

Run Start ***NR1***

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D4728	A

110 0.00

110

Outsource8

Outsource process- Eagle

Memo

Issue P/O to Eagle : 18452
Manufacture as per dwg
Certificate of conformity required

0.00

CX 12/11/20 (2)

P/O →

120 Receive & Inspect for Damage & Mat'l Certs 0.00

120

Packaging

Packaging

Memo

Inspect and check certificate of conformity

0.00

2x SP
12-12-27

130 QC 100% Inspect kits for completeness 0.00

130

QC

Quality Control

Memo

0.00

8/13/12

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: <u>93452</u> Part No. <u>D4728-045</u> NCR No. _____	DISPOSITION Rework <input checked="" type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input checked="" type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input checked="" type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input checked="" type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
<div style="display: flex; flex-direction: column;"> <div>Doc/Data <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Operator <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Setup <input type="checkbox"/></div> <div>Other <input type="checkbox"/></div> <div>Process <input type="checkbox"/></div> <div>Supplier <input checked="" type="checkbox"/></div> <div>Training <input type="checkbox"/></div> <div>Unapproved <input type="checkbox"/></div> </div>	13/1/7	#100	+2	Found at inspection when cross reference P/w's on supplier P/w to drawing that supplier used the incorrect substitution. used D204182 should have been M24306/26-1F (see attached email)		Return to Eagle for Reworking RMAB (needs new P/w's) Re-inspect Accurate substitution see attach email			DAS 1/5 13/1/5

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		
<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other		

Work Order ID 93452

November-15-12 8:54:51 AM

93452

Page 2

Item ID: D4728-045

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: LH Cabin Speaker #3

Start Date: 15/11/2012 Start Qty: 2.00

2

Cust Item ID:

Required Date: 29/11/2012 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

140

Identify as per dwg & Stock Location: **ST 120** 0.00

140

Packaging

Memo

0.00

Packaging

2x

SP
13-01-15

150

QC21- Final Inspection - Work Order Release 0.00

150

QC

Memo

0.00

Quality Control

13/1/17

13-01-15

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
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Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

FAULT CATEGORY

Landing Gear	General	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabeled
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized
		<input type="checkbox"/> Over/Under tolerance
		<input type="checkbox"/> Part Incorrect
		<input type="checkbox"/> Part Lost/Missing
		<input type="checkbox"/> Part Moved
		<input type="checkbox"/> Positioned Wrong
		<input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced
		<input type="checkbox"/> Temperature/Cure
		<input type="checkbox"/> Weld
		<input type="checkbox"/> Wrong Stock Pulled
		<input type="checkbox"/> Other

Picklist Print

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Page 1

Work Order ID: 93452

93452

Parent Item: D4728-045

D4728-045

Parent Item Name: LH Cabin Speaker #3

Start Date: 15/11/2012

Required Date: 29/11/2012

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A 12.11.09 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4728-045P		Purchased	No				Each	0.0000		2			

D4728-045P

LH Cabin Speaker #3

**

2x SP12-12-27

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

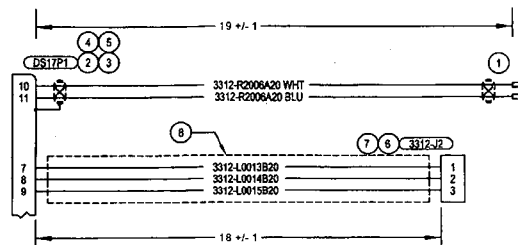
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
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Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear	General	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware
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<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence
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		<input type="checkbox"/> Ovalized
		<input type="checkbox"/> Over/Under tolerance
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		<input type="checkbox"/> Part Moved
		<input type="checkbox"/> Positioned Wrong
		<input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced
		<input type="checkbox"/> Temperature/Cure
		<input type="checkbox"/> Weld
		<input type="checkbox"/> Wrong Stock Pulled
		<input type="checkbox"/> Other

LIST OF MATERIALS					
QTY PER	ITEM	PART NUMBER	DESCRIPTION	SUPPLIER	
	2	1	640911-1	TERMINAL	TYCO ELECTRONICS
	1	2	M24308/4-2Z	CONNECTOR	
A/R (5)		3	M39029/64-369	CONTACTS	
	1	4	M85049/48-2-2F	BACKSHELL	
	1	5	M24308/26-1F	JACKSCREW KIT	
	1	6	1-480303-0	CONNECTOR	TYCO ELECTRONICS
	A/R (3)	7	60617-1	CONTACTS	TYCO ELECTRONICS
	A/R (18)	8	XPF-1/4	EXPANDABLE SLEEVING	EDMO



D4728-045 LH CABIN SPEAKER #3

SHO...
RETURN...
ENGINEER...
UNCONTROLLED
SUBJECT TO A...

WITHOUT...
WORK...
NO. 93452 ML5
12-11-15

RELEASED
2012-11-05

NOTES:

- ALL NEW UNSHIELDED WIRE USE M22759/41-xx-9 TYPE WIRE UNLESS OTHERWISE SPECIFIED (M22759/41-XX-X IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS. SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRIMP SPLICES FOR REPAIR).
- ALL NEW TWISTED SHIELDED CABLE USE M27500-xxTgT14 TYPE CABLE UNLESS OTHERWISE SPECIFIED.
- ALL WIRES 20 AWG UNLESS OTHERWISE SPECIFIED.
- IDENTIFY/CODE ALL WIRES AND CABLES IN ACCORDANCE WITH 39-A-AWDP-00-X WIRING DATA PUBLICATION.
- KEEP ALL JUMPERS, LOGIC STRAP, POWER, CHASSIS AND SIGNAL GROUND WIRES AS SHORT AS POSSIBLE.
- ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH 39-A-AWDP-00-X WIRING DATA PUBLICATION.
- ALL ELECTRICAL GROUNDING AND BONDING TO BE INSTALLED IN ACCORDANCE WITH 39-A-AWDP-00-X WIRING DATA PUBLICATION.
- ALL CONNECTORS TO BE INSTALLED IN ACCORDANCE WITH 39-A-AWDP-00-X WIRING DATA PUBLICATION.
- ENSURE ALL UNUSED CONNECTOR CONTACTS ARE FILLED WITH SPARE PINS/sockets OR PLASTIC GROMMET SEALING PLUGS.
- A DOT (•) BEFORE A CONNECTOR CONTACT LETTER DENOTES LOWER CASE.
- UNITS: INCHES UNLESS OTHERWISE NOTED.
- IDENTIFY CONNECTORS WITH SHRINK SLEEVE LABELS.

DESIGN	IN	DART AEROSPACE LTD	
DRAWN	IN	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KB	DRAWING NO.	REV. A
MFG. APPR.	22	D4728	SHEET 5 OF 15
APPROVED	#	TITLE	SCALE
DE APPR.	#	UTILITY INTERIOR WIRING HARNESS	NTS
DATE	12.09.26	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIES OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	



INNOVATIVE HELICOPTER SOLUTIONS

PACKING SLIP

DATE: 18 Dec 12

FROM: Eagle Copters Maintenance Ltd.

823 McTavish Rd. NE

Calgary, AB, Canada

T2E 7G9

SHIP TO : DART Aerospace Ltd.

1270 Aberdeen St.

Hawkesbury, ON, K6A 1K7

ITEM NO.	QUANTITY ORDERED	QUANTITY SHIPPED	BACK ORDERED	PART NUMBER	BATCH / S/N NUMBER	CUSTOMER PURCHASE ORDER	EAGLE WORK ORDER	DESCRIPTION
1	2	2 ✓	0	D4728-041P ✓		PO18458	49780	See attached work report for parts used to assemble harnesses. Traceability of product to Eagle stock
2	2	2 ✓	0	D4728-042P ✓		PO18458	49780	
3	2	2 ✓	0	D4728-043P ✓		PO18458	49780	
4	2	2 ✓	0	D4728-044P ✓		PO18458	49780	
5	2	2 ✓	0	D4728-045P ✓		PO18458	49780	
6	2	2 ✓	0	D4728-046P ✓		PO18458	49780	
7	2	2 ✓	0	D4728-047P ✓		PO18458	49780	
8	2	2 ✓	0	D4728-049P ✓		PO18458	49780	
9	2	2 ✓	0	D4728-051P ✓		PO18458	49780	
10	2	2 ✓	0	D4728-053P ✓		PO18458	49780	
11	2	2 ✓	0	D4728-055P ✓		PO18458	49780	
12	2	2 ✓	0	D4728-057P ✓		PO18458	49780	

CERTIFICATE OF CONFORMANCE☒ X

I HEREBY CERTIFY THAT THE AIRCRAFT PARTS DESCRIBED HEREON WERE ACQUIRED FROM A SOURCE OF SUPPLY THAT IS CONSISTENT WITH THE CONDITIONS UNDER WHICH TRANSPORT CANADA APPROVED DISTRIBUTOR APPROVAL NUMBER 6-81 HAS BEEN GRANTED

AUTHORIZED INSPECTOR: 

TCCA APPROVAL NO.: 6-81



DATE: 18 Dec 12

FROM: Eagle Copters Maintenance Ltd.

823	McTavish Rd. NE
-----	-----------------

Calgary, AB, Canada

T2E7G9

SHIP TO : DART Aerospace Ltd.

1270 Aberdeen St.

Hawkesbury, ON, K6A 1K7

See attached work report for parts used
to assemble harnesses. Traceability of
product to Eagle stock

I HEREBY CERTIFY THAT THE AIRCRAFT PARTS DESCRIBED HEREON WERE ACQUIRED FROM A SOURCE OF SUPPLY THAT IS CONSISTENT WITH THE CONDITIONS UNDER WHICH TRANSPORT CANADA APPROVED DISTRIBUTOR APPROVAL NUMBER 6-81 HAS BEEN GRANTED

AUTHORIZED INSPECTOR:



Howe

TCOA APPROVAL NO.: 6-81

Work Order Number: 49780 Modify AW139 Wiring Harnesses

This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.

Item: 1 AW139 Utility Interior Wiring Harnesses

Squawk: 1.1Discrepancy:Assembly L/H Cabin
Speaker #1 Harness IAW
DWG D4728-041PResolution:Cabin speaker harness
assembly assembled per
DWG IAW DWG4728-041P

1.1 Work Done By: Wendell McGrath

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.
AMO 6-81 Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205		LT-09-009742	New	2
	22-18AWG				
M24308/4-2Z	CONNECTOR		LT-12-013656	New	1
M39029/64-369	PIN		LT-07-008635	New	5
M85049/48-2-2F	BACKSHELL		LT-12-019637	New	1
M24308/26-1F	FEMALE SCREW JACK		LT-12-011949	New	1
1-480303-0	CONNECTOR		LT-09-002901	New	1
60617-1	CONTACT		LT-12-018860	New	3
M22759/41-20-9	WIRE		LT-12-017365	New	2
M22759/41-20-9	WIRE		LT-12-017365	New	3
M27500-20TG2F14	WIRE		LT-05-003764	New	2
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	2

Squawk: 1.2Discrepancy:Assembly L/H Cabin
Speaker #1 Harness IAW
DWG D4728-041PResolution:Cabin speaker harness
assembly assembled per
DWG IAW DWG4728-041P

1.2 Work Done By: Wendell McGrath

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.
AMO 6-81 Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205		LT-09-009742	New	2
	22-18AWG				
M24308/4-2Z	CONNECTOR		LT-12-013656	New	1
M39029/64-369	PIN		LT-07-008635	New	5
M85049/48-2-2F	BACKSHELL		LT-12-019638	New	1
M24308/26-1F	FEMALE SCREW JACK		LT-12-011949	New	1
1-480303-0	CONNECTOR		LT-09-002901	New	1
60617-1	CONTACT		LT-12-018855	New	3
M22759/41-20-9	WIRE		LT-12-017365	New	5
M27500-20TG2T14	WIRE		LT-05-003764	New	2
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	2

***** Original Maintenance Releases and Independent Control Inspection details are stored electronically at *****
 ***** Eagle Copters Maintenance Ltd. in Calgary Alberta in the Corridor Software *****

Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.3**Discrepancy:Assembly R/H Cabin
Speaker #1 Harness IAW
DWG D4728-042PResolution:Sperker harness assembly
assembled per IAW DWG
D4728-042P**1.3** Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205 22-18AWG		LT-09-009742	New	2
M24308/4-2Z	CONNECTOR		LT-12-013656	New	1
M39029/64-369	PIN		LT-07-008635	New	2
M85049/48-2-2F	BACKSHELL		LT-12-019639	New	1
M24308/26-1F	FEMALE SCREW JACK		LT-12-011949	New	1
M27500-20TG2T14	WIRE		LT-05-003764	New	2

Squawk: 1.4Discrepancy:Assembly R/H Cabin
Speaker #1 Harness IAW
DWG D4728-042PResolution:Sperker harness assembly
assembled per DWG
D4728-042P**1.4** Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205 22-18AWG		LT-09-009742	New	2
M24308/4-2Z	CONNECTOR		LT-12-013656	New	1
M39029/64-369	PIN		LT-07-008635	New	2
M85049/48-2-2F	BACKSHELL		LT-12-019640	New	1
M24308/26-1F	FEMALE SCREW JACK		LT-12-011949	New	1
M27500-20TG2T14	WIRE		LT-05-003764	New	2

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.5**Discrepancy:

Assembly L/H Cabin
Speaker #2 Harness IAW
DWG D4728-043P

Resolution:

Cabin speaker harness
assembly assembled per
IAW DWG D4728-043P

1.5 Work Done By: Wendell McGrath**The maintenance described above has been performed in accordance with the applicable standards of airworthiness.****AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205 22-18AWG		LT-09-009742	New	2
M24308/4-2Z	CONNECTOR		LT-12-013656	New	1
M39029/64-369	PIN		LT-07-008635	New	2
M85049/48-2-2F	BACKSHELL		LT-12-019641	New	1
M24308/26-1F	FEMALE SCREW JACK		LT-12-011949	New	1
M27500-20TG2T14	WIRE		LT-05-003764	New	2

Squawk: 1.6Discrepancy:

Assembly L/H Cabin
Speaker #2 Harness IAW
DWG D4728-043P

Resolution:

Cabin speaker harness
assembly assembled per
IAW DWG D4728-043P

1.6 Work Done By: Wendell McGrath**The maintenance described above has been performed in accordance with the applicable standards of airworthiness.****AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205 22-18AWG		LT-09-009742	New	2
M24308/4-2Z	CONNECTOR		LT-12-013656	New	1
M39029/64-369	PIN		LT-07-008635	New	2
M85049/48-2-2F	BACKSHELL		LT-12-019642	New	1
M24308/26-1F	FEMALE SCREW JACK		LT-12-011949	New	1
M27500-20TG2T14	WIRE		LT-05-003764	New	2

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.7**Discrepancy:

Assembly R/H Cabin
Speaker #2 Harness IAW
DWG D4728-044P

Resolution:

Cabin speaker harness
assembly assembled per
IAW DWG D4728-044P

1.7 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205 22-18AWG		LT-09-009742	New	2
M24308/4-2Z	CONNECTOR		LT-12-019267	New	1
M39029/64-369	PIN		LT-07-008635	New	2
M85049/48-2-2F	BACKSHELL		LT-12-019643	New	1
D20418-2	LOCK		LT-08-010449	New	1
M27500-20TG2T14	WIRE		LT-05-003764	New	2

Squawk: 1.8Discrepancy:

Assembly R/H Cabin
Speaker #2 Harness IAW
DWG D4728-044P

Resolution:

Cabin speaker harness
assembly assembled per
IAW DWG D4728-044P

1.8 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205 22-18AWG		LT-09-009742	New	2
M24308/4-2Z	CONNECTOR		LT-12-019269	New	1
M39029/64-369	PIN		LT-07-008635	New	2
M85049/48-2-2F	BACKSHELL		LT-12-019644	New	1
D20418-2	LOCK		LT-10-005971	New	1
M27500-20TG2T14	WIRE		LT-05-003764	New	2

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.9**Discrepancy:

Assembly L/H Cabin
 Speaker #3 Harness IAW
 DWG D4728-045P

Resolution:

Cabin speaker harness
 assembly assembled per
 IAW DWG D4728-045P

1.9 Work Done By: Wendell McGrath

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

AMO 6-81 Signature: Graeme Rowe on 12/21/2012

Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205 22-18AWG		LT-09-009742	New	2
M24308/4-2Z	CONNECTOR		LT-12-019265	New	1
M39029/64-369	PIN		LT-07-008635	New	5
M85049/48-2-2F	BACKSHELL		LT-12-019645	New	1
D20418-2	LOCK		LT-10-005971	New	1
1-480303-0	CONNECTOR		LT-09-002901	New	1
60617-1	CONTACT		LT-12-018857	New	3
M22759/41-20-9	WIRE		LT-12-017365	New	5
M27500-20TG2T14	WIRE		LT-05-003764	New	2
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	2

Squawk: 1.10Discrepancy:

Assembly L/H Cabin
 Speaker #3 Harness IAW
 DWG D4728-045P

Resolution:

Cabin speaker harness
 assembly assembled per
 IAW DWG D4728-045P

1.10 Work Done By: Wendell McGrath

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

AMO 6-81 Signature: Graeme Rowe on 12/21/2012

Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205 22-18AWG		LT-09-009742	New	2
M24308/4-2Z	CONNECTOR		LT-12-019268	New	1
M39029/64-369	PIN		LT-07-008635	New	5
M85049/48-2-2F	BACKSHELL		LT-12-019646	New	1
D20418-2	LOCK		LT-10-005971	New	1
1-480303-0	CONNECTOR		LT-09-002901	New	1
60617-1	CONTACT		LT-12-018858	New	3
M22759/41-20-9	WIRE		LT-12-017365	New	5
M27500-20TG2T14	WIRE		LT-05-003764	New	2
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	2

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.11****Discrepancy:**

Assembly R/H Cabin
Speaker #3 Harness IAW
DWG D4728-046P

Resolution:

Cabin speaker harness
assembly assembled per IAW
DWG D4728-046P

1.11 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012**Parts:**

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205		LT-09-009742	New	2
	22-18AWG				
M24308/4-2Z	CONNECTOR		LT-12-019270	New	1
M39029/64-369	PIN		LT-07-008635	New	2
M85049/48-2-2F	BACKSHELL		LT-12-019647	New	1
D20418-2	LOCK		LT-10-005971	New	1
M27500-20TG2T14	WIRE		LT-05-003764	New	2

Squawk: 1.12**Discrepancy:**

Assembly R/H Cabin
Speaker #3 Harness IAW
DWG D4728-046P

Resolution:

Cabin speaker harness
assembly assembled per
IAW DWG D4728-046P

1.12 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012**Parts:**

Part Number	Description	Serial Number	Lot Number	Condition	Qty
640911-1	SPADE SOCKET .205		LT-09-009742	New	2
	22-18AWG				
M24308/4-2Z	CONNECTOR		LT-12-019266	New	1
M39029/64-369	PIN		LT-07-008635	New	2
M85049/48-2-2F	BACKSHELL		LT-12-019648	New	1
D20418-2	LOCK		LT-10-005971	New	1
M27500-20TG2T14	WIRE		LT-05-003764	New	2

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.13**Discrepancy:Assemble Advisory Light
FWD Harness IAW DWG
D4728-047PResolution:Harness assembly
assembled per DWG
D4728-047P**1.13** Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480305-0	CONNECTOR		LT-12-000549	New	1
60618-1	CONTACT		LT-11-010274	New	1
60618-1	CONTACT		LT-11-007864	New	2
M22759/41-20-9	WIRE		LT-12-017365	New	8
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	2

Squawk: 1.14Discrepancy:Assemble Advisory Light
FWD Harness IAW DWG
D4728-047PResolution:Harness assembly
assembled per DWG
D4728-047P**1.14** Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480305-0	CONNECTOR		LT-12-000549	New	1
60618-1	CONTACT		LT-11-007864	New	3
M22759/41-20-9	WIRE		LT-12-017365	New	8
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	2

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.15**Discrepancy:Assemble Advisory Light
AFT Harness IAW DWG
D4728-049PResolution:Advisory light harness
assembly assembled per
IAW DWG D478-049P**1.15** Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480305-0	CONNECTOR		LT-12-000549	New	1
60618-1	CONTACT		LT-11-007864	New	3
M22759/41-20-9	WIRE		LT-12-017365	New	8
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	2

Squawk: 1.16Discrepancy:Assemble Advisory Light
AFT Harness IAW DWG
D4728-049PResolution:Aft advisory light harness
assembly assembled per
IAW DWG D4728-049P**1.16** Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480305-0	CONNECTOR		LT-12-000549	New	1
60618-1	CONTACT		LT-11-007864	New	3
M22759/41-20-9	WIRE		LT-12-017365	New	8
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	2

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.17**Discrepancy:Assemble Cabin Lights #1
Harness IAW DWG
D4728-051PResolution:Cabin lights #1 harness
assembly assembled per
IAW DWG D4728-051P**1.17** Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480305-0	CONNECTOR		LT-12-000549	New	1
60618-1	CONTACT		LT-11-007864	New	3
M22759/41-20-9	WIRE		LT-12-017365	New	6
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	3

Squawk: 1.18Discrepancy:Assemble Cabin Lights #1
Harness IAW DWG
D4728-051PResolution:Cabin lights #1 harness
assembly assembled per
IAW DWG D4728-051P**1.18** Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480305-0	CONNECTOR		LT-12-000549	New	1
60618-1	CONTACT		LT-11-007864	New	3
M22759/41-20-9	WIRE		LT-12-017365	New	6
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	3

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.19**Discrepancy:

Assemble Cabin Lights #2
Harness IAW DWG
D4728-053P

Resolution:

Cabin light harness
assembly assembled per
IAW DWG D4728-053P

1.19 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480305-0	CONNECTOR		LT-12-019257	New	1
60618-1	CONTACT		LT-11-007864	New	3
M22759/41-20-9	WIRE		LT-12-017365	New	6
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	3

Squawk: 1.20Discrepancy:

Assemble Cabin Lights #2
Harness IAW DWG
D4728-053P

Resolution:

Cabin lights #2 harness
assembly assembled per
IAW DWG D4728-053P

1.20 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480305-0	CONNECTOR		LT-12-019254	New	1
60618-1	CONTACT		LT-11-007864	New	3
M22759/41-20-9	WIRE		LT-12-017365	New	6
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008826	New	3

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.21**Discrepancy:

Assemble Cabin Lights #3
 Harness IAW DWG
 D4728-055P

Resolution:

Cabin lights #3 harness
 assembly assembled per
 IAW DWG D4728-055P

1.21 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480303-0	CONNECTOR		LT-09-002901	New	1
60617-1	CONTACT		LT-12-018863	New	2
M22759/41-20-9	WIRE		LT-12-017365	New	6
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008824	New	3

Squawk: 1.22Discrepancy:

Assemble Cabin Lights #3
 Harness IAW DWG
 D4728-055P

Resolution:

Cabin lights #3 harness
 assembly assembled per
 IAW DWG D4728-055P

1.22 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480303-0	CONNECTOR		LT-09-002901	New	1
60617-1	CONTACT		LT-12-018862	New	2
M22759/41-20-9	WIRE		LT-12-017365	New	6
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008824	New	3

Squawk: 1.23Discrepancy:

Assmble PS7J1 Jumper
 Harness IAW DWG
 D4728-057P

Resolution:

Jumper harness assembly
 assembled per IAW DWG
 D4728-057P

1.23 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
350781-1	CONNECTOR		LT-12-019263	New	1
350690-3	CONNECTOR		LT-12-013804	New	2
M22759/41-20-9	WIRE		LT-12-017365	New	1

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.24**Discrepancy:

Assmble PS7J Jumper
 Harness IAW DWG
 D4728-057P

Resolution:

Jumper assembly
 assembled per DWG
 D4728-057P

1.24 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
350781-1	CONNECTOR		LT-12-019264	New	1
350690-3	CONNECTOR		LT-12-013804	New	2
M22759/41-20-9	WIRE		LT-12-017365	New	1

Squawk: 1.25Discrepancy:

Assemble Cabin Lights
 Harness IAW DWG
 D4728-059P

Resolution:

Harness assembly
 assembled per DWG
 D4728-059P

1.25 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480303-0	CONNECTOR		LT-09-002901	New	2
60617-1	CONTACT		LT-12-018854	New	4
1-480426-0	CONNECTOR		LT-009849	New	1
60618-1	CONTACT		LT-11-007864	New	4
M22759/41-20-9	WIRE		LT-12-017365	New	9
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008824	New	6

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.26**Discrepancy:

Assemble Cabin Lights
 Harness IAW DWG
 D4728-059P

Resolution:

Harness assembly
 assembled per DWG
 D4728-059P

1.26 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
1-480303-0	CONNECTOR		LT-09-002901	New	2
60617-1	CONTACT		LT-12-018856	New	4
1-480426-0	CONNECTOR		LT-009849	New	1
60618-1	CONTACT		LT-11-007864	New	4
M22759/41-20-9	WIRE		LT-12-017365	New	9
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008824	New	6

Squawk: 1.27Discrepancy:

Assemble Cabin Lights
 Control Relay Harness IAW
 DWG D4728-061P

Resolution:

Cabin lights control relay
 harness assembled per
 IAW DWG D4728-061P

1.27 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
M83536/2-024M	RELAY		LT-12-019271	New	1
M12883/45-01	SOCKET, RELAY		LT-12-001340.1	New	1
1-480424-0	CONNECTOR		LT-12-019260	New	1
60617-1	CONTACT		LT-12-018859	New	4
350781-1	CONNECTOR		LT-12-019262	New	1
350690-3	CONNECTOR		LT-12-013804	New	3
1-480305-0	CONNECTOR		LT-12-019256	New	1
60618-1	CONTACT		LT-11-007864	New	2
M22759/41-20-9	WIRE		LT-12-017365	New	11
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008824	New	3

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Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.28**Discrepancy:Assemble Cabin Lights
Control Relay Harness IAW
DWG D4728-061PResolution:Cabin lights control relay
harness assembled per
IAW DWG D4728-061P**1.28** Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
M83536/2-024M	RELAY		LT-12-019250	New	1
M12883/45-01	SOCKET, RELAY		LT-12-001340.1	New	1
1-480424-0	CONNECTOR		LT-12-019259	New	1
60617-1	CONTACT		LT-12-018861	New	4
350781-1	CONNECTOR		LT-12-019261	New	1
350690-3	CONNECTOR		LT-12-013804	New	3
1-480305-0	CONNECTOR		LT-12-019255	New	1
60618-1	CONTACT		LT-11-007864	New	2
M22759/41-20-9	WIRE		LT-12-017365	New	11
XPF-1/4	EXPANDABLE SLEEVING		LT-12-008824	New	3

Squawk: 1.29Discrepancy:Assemble Cabin Temp
Sensor Jumper Assembly
Harness IAW DWG
D4728-063PResolution:Harness assembly
assembled per DWG
D4728-063P**1.29** Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
MS25036-103	TERMINAL		LT-12-019575	New	2
M22759/41-20-9	WIRE		LT-12-017365	New	1

***** Original Maintenance Releases and Independent Control Inspection details are stored electronically at *****

***** Eagle Copters Maintenance Ltd. in Calgary Alberta in the Corridor Software *****

Work Order Number: 49780

Modify AW139 Wiring Harnesses

*This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.***Squawk: 1.30**Discrepancy:

Assemble Cabin Temp
Sensor Jumper Assembly
Harness IAW DWG
D4728-063P

Resolution:

Harness assembly
assembled per DWG
D4728-063P.

1.30 Work Done By: Wendell McGrath*The maintenance described above has been performed in accordance with the applicable standards of airworthiness.***AMO 6-81** Signature: Graeme Rowe on 12/21/2012Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
MS25036-103	TERMINAL		LT-12-019577	New	2
M22759/41-20-9	WIRE		LT-12-017365	New	1

* End of Report *

***** Original Maintenance Releases and Independent Control Inspection details are stored electronically at *****
***** Eagle Copters Maintenance Ltd. in Calgary Alberta in the Corridor Software *****

Eagle Copters Maintenance Ltd

823 McTavish Rd, NE
Calgary, Alberta T2E 7G9
Canada

Packing Slip

December 21, 2012

Telephone: (403) 250-7370

Fax: (403) 250-7110

Shipment number: SH#12-003986

Customer PO number: 18458

Ship To: Dart Aerospace Ltd.

1270 Aberdeen Street

Hawkesbury, ON K6A 1K7

Canada

Ship Via: FED EX

Carrier Terms:

Phone:

Waybill: 7943 7755 4495

Customer PO number: 18458

Item	Part Number	Part Description	Current Location	Qty	UOM	Serial Number	Lot Number
1	AW139 Utility Interior Wiring Harnesses	AW139 Utility Interior Wiring Harnesses	Avionics Shop	1		N/A	

Work Order Number: 49780.1

Eagle PO Number:

All Parts being sent on this packing slip have the original certification on file at Eagle Copters Ltd.

* End of Report *

>> denotes that the Packing Slip line item has already been printed.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO18458**

Purchase Order Date 11/20/12

PO Print Date 11/20/12

Page Number 1 of 4

Order From :

VU-EAG002

EAGLE COPTERS MAINTENANCE LTD.
823 MCTAVISH ROAD N E
CALGARY, AB T2E 7G9
CA

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

403-250-7370

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

Destination-Collect

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
11/20/12

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D4728-041P ✓	LH Cabin Speaker #	12/05 11/30/12 Yes	2.00 Each	FedEx PI collect	\$350.0000	\$700.00
		Special Inst: AS PER DWG D4728 REV. A B93445					
2	D4728-042P ✓	RH Cabin Speaker #1	11/30/12 Yes	2.00 Each	FedEx PI collect	\$350.0000	\$700.00
		Special Inst: AS PER DWG D4728 REV. A B93446					
3	D4728-043P ✓	LH Cabin Speaker #2	11/30/12 Yes	2.00 Each	FedEx PI collect	\$350.0000	\$700.00
		Special Inst: AS PER DWG D4728 REV. A B93449					
4	D4728-044P ✓	RH Cabin Speaker #2	11/30/12 Yes	2.00 Each	FedEx PI collect	\$350.0000	\$700.00

SP 12-12-27

Change Nbr:

1

Change Date: 11/20/12

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required **YES** NO



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO18458**

Purchase Order Date 11/20/12

PO Print Date 11/20/12

Page Number 2 of 4

Order From :

VU-EAG002

EAGLE COPTERS MAINTENANCE LTD.
823 MCTAVISH ROAD N E
CALGARY, AB T2E 7G9
CA

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

403-250-7370

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

Destination-Collect

		Special Inst:	AS PER DWG D4728 REV. A B93451					
5	D4728-045P	✓	LH Cabin Speaker #3	11/30/12 Yes	✓ 2.00 Each	FedEx PI collect	\$350.0000	\$700.00
		Special Inst:	AS PER DWG D4728 REV. A B93452					
6	D4728-046P	✓	RH Cabin Speaker #3	11/30/12 Yes	✓ 2.00 Each	FedEx PI collect	\$350.0000	\$700.00
		Special Inst:	AS PER DWG D4728 REV. A B93453					
7	D4728-047P	✓	Advisory Light, Fwd	11/30/12 Yes	✓ 2.00 Each	FedEx PI collect	\$350.0000	\$700.00
		Special Inst:	AS PER DWG D4728 REV. A B93454					
8	D4728-049P	✓	Advisory Light, Aft	11/30/12 Yes	✓ 2.00 Each	FedEx PI collect	\$350.0000	\$700.00
		Special Inst:	AS PER DWG D4728 REV. A B93455					
9	D4728-051P	✓	Cabin Lights #1	11/30/12 Yes	✓ 2.00 Each	FedEx PI collect	\$350.0000	\$700.00

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required **YES** NO

Change Nbr:

Change Date: 11/20/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO18458**

Purchase Order Date 11/20/12

PO Print Date 11/20/12

Page Number 3 of 4

Order From :

VU-EAG002

EAGLE COPTERS MAINTENANCE LTD.
823 MCTAVISH ROAD N E
CALGARY, AB T2E 7G9
CA

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

403-250-7370

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

10127-2607

Net 30

USD

Destination-Collect

		Special Inst:	AS PER DWG D4728 REV. A B93456					
10	D4728-053P	✓	Cabin Lights #2	11/30/12 Yes	2.00 Each	FedEx PI collect	\$350.0000	\$700.00
		Special Inst:	AS PER DWG D4728 REV. A B93457					
11	D4728-055P	✓	Cabin Lights #3	11/30/12 Yes	2.00 Each	FedEx PI collect	\$350.0000	\$700.00
		Special Inst:	AS PER DWG D4728 REV. A B93458					
12	D4728-057P	✓	PS7J1 Jumper	11/30/12 Yes	2.00 Each	FedEx PI collect	\$350.0000	\$700.00
		Special Inst:	AS PER DWG D4728 REV. A B93459					
13	D4728-059P	✓	Cabin Lights Harness	11/30/12 Yes	2.00 Each	FedEx PI collect	\$350.0000	\$700.00
		Special Inst:	AS PER DWG D4728 REV. A B93460					
14	D4728-061P	✓	Cabin Lights Control Relay	11/30/12 Yes	2.00 Each	FedEx PI collect	\$350.0000	\$700.00

508 12-12-27

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required **YES** NO

Change Nbr:

1

Change Date: 11/20/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO18458**

Purchase Order Date 11/20/12

PO Print Date 11/20/12

Page Number 4 of 4

Order From :

VU-EAG002

EAGLE COPTERS MAINTENANCE LTD.
823 MCTAVISH ROAD N E
CALGARY, AB T2E 7G9
CA

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

403-250-7370

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Special Inst:

AS PER DWG D4728 REV. A
B93461

15 D4728-063P

Cabin Temp Sensor
Jumper Assembly

11/30/12

2.00

FedEx PI collect

\$350.0000

\$700.00

Yes

Each

Special Inst:

AS PER DWG D4728 REV. A
B93462

PO Total:

\$10,500.00

58 12-12-27

CERTIFICATE OF CONFORMITY
REQ'D UPON DELIVERY

Change Nbr:

1

Change Date: 11/20/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO

Chantal Lavoie

From: Graeme Rowe <growe@eaglecopters.com>
Sent: November 20, 2012 12:04 PM
To: 'Chantal Lavoie'
Subject: RE: QUOTE

Hello Chantal,

The quote is as follows

\$5,250 USD per ship set, so qty 2 will be \$10,500 USD



GRAEME ROWE AVIONICS MANAGER

Toll-Free 1-800-564-6469
Tel: (403) 250-7370, Fax: (403) 250-7584
Email: growe@eaglecopters.com
www.eaglecopters.com

From: Chantal Lavoie [<mailto:clavoie@dartaero.com>]
Sent: Friday, November 16, 2012 6:49 AM
To: growe@eaglecopters.com
Subject: QUOTE

Hi Graeme,

Please advise price and delivery on items. Please see attached for dwd.

D4728-041 X2 - D4635-041 -
D4728-042 X2 D4635-042 -
D4728-043 X2 D4635-041 -
D4728-044 X2 D4635-042 -
D4728-045 X2 D4635-043 -
D4728-046 X2 D4635-044 -
D4728-047 X2 D4634-041 -
D4728-049 X2 D4634-045 -
D4728-051 X2 D4634-041 -
D4728-053 X2 D4634-043 -
D4728-055 X2 D4634-045 -
D4728-057 X2 - ~~D4634~~ D139-816-011
D4728-059 X2 - D4635-041 -
D4728-061 X2 - D4635-043 -
D4728-063 X2 - ~~D4634~~
L D139-816-011

Eric Downing

From: Eric Downing <edowning@dartaero.com>
Sent: Monday, January 07, 2013 11:28 AM
To: 'Harvey Siemens'; 'Mike Petsche'; 'L Lacelle'; Cathy Kerr; Chantelle Lavoie (clavoie@dartaero.com)
Cc: psmith@dartaero.com
Subject: RE: D4728 harness

I agree. That's the right thing to do here. Thanks Harvey.

Cathy can you open up a NCR once Q-pulse is working again I'll write it up on the back of the work orders.

Linda/Chantal please contact eagle and get a RMA # to return these back for reworking.

Thanks
Downing

From: Harvey Siemens [<mailto:hsiemens@dartaero.com>]
Sent: Monday, January 07, 2013 11:08 AM
To: 'Eric Downing'; 'Mike Petsche'; L Lacelle
Subject: FW: D4728 harness

Per Kevin's comments below I think we should send the harnesses back and get them built right – particularly since Eagle wants to become an avionics manufacturer.

Regards,

Harvey Siemens



Mechanical Designer

P: 403-717-0328 ext. 402
C: 403-512-4099
E: hsiemens@dartaero.com
W: www.dartaero.com
M: 820 McTavish Road NE, Calgary, Alberta, T2E 7G6

From: Kevin Barton [<mailto:kbarton@dartaero.com>]
Sent: January-07-13 9:04 AM
To: 'Harvey Siemens'
Subject: RE: D4728 harness

Harvey,

From what I can tell (just using the part numbers Eric supplied) M24308/2 is a 9 socket D-Sub connector and D20418-2 is a Jack Screw kit. So someone may have gotten some part numbers crossed at some point but those are not equivalent.

Best Regards,

Kevin Barton

From: Harvey Siemens [<mailto:hsiemens@dartaero.com>]
Sent: January-07-13 8:50 AM
To: Kevin Barton
Cc: Graeme Rowe
Subject: FW: D4728 harness

Kevin/Graeme

Can you shed any light on this change that Eagle did?

Regards,

Harvey Siemens


DART AEROSPACE
Mechanical Designer

P: 403-717-0328 ext. 402
C: 403-512-4099
E: hsiemens@dartaero.com
W: www.dartaero.com
M: 820 McTavish Road NE, Calgary, Alberta, T2E 7G6

From: Eric Downing [<mailto:edowning@dartaero.com>]
Sent: January-07-13 8:41 AM
To: Harvey Siemens; psmith@dartaero.com
Cc: 'Mike Petsche'; 'L Lacelle'
Subject: D4728 harness

Good morning Harvey

We got these D4728-044 /-045 /-046 wiring harness for the cabin speakers from eagle on the 27th of December. On the work order supplied from Eagle (49780) they are supplying us with this part number **D20418-2 for the Jack Screw Kit** and our drawings require this P/N# M24308-2.

Is what Eagle is supplying us the equivalent? Could you please confirm this for me so that I can get these harness moving.

Thanks

Eric Downing
QC Corrdinator


DART AEROSPACE
T: 1-613-632-5200 ext 223
F: 1-613-632-5246
Edowning@Dartaero.com

Eric Downing

From: Mike Petsche <mpetsche@dartaero.com>
Sent: Tuesday, January 08, 2013 12:25 PM
To: 'Eric Downing'; 'Marc Bellavance'; psmith@dartaero.com; 'Harvey Siemens'
Subject: RE: D4728 Harness assemblies

Harvey, what do you figger?

It shouldn't be a problem. But we will likely wait until the FAA approval is in place before we mess with the MDL.....

From: Eric Downing [<mailto:edowning@dartaero.com>]
Sent: Tuesday, January 08, 2013 12:05 PM
To: 'Marc Bellavance'; psmith@dartaero.com; 'Mike Petsche'
Subject: FW: D4728 Harness assemblies

Hey Marc is this an acceptable substitute for the D4728 harness that call up M24308/26-1F?

Mike think that we can get this added to the drawings for the D4728 as Graeme has suggested?

Thanks

Downing

From: Graeme Rowe [<mailto:growe@eaglecopters.com>]
Sent: Tuesday, January 08, 2013 11:53 AM
To: Edowning@Dartaero.com
Cc: 'Mark Miele'
Subject: RE: D4728 Harness assemblies

Eric,

See the data sheet below where is shows the part numbers that are equvalen to each other. The best thing that DHS can do is to start call out alternatives or allowing alternatives to be used because mil spec parts are not always available and are sometimes to expensive to purchase.

Let me know if this satifies your needs, but I would work on engineering on calling out more readibly available parts.

Thanks

http://www.milcannon.com/updates/updates/product_pdf/d%20sub%20sec%20update M20418/26-1E-CINCH-FEM famell.com

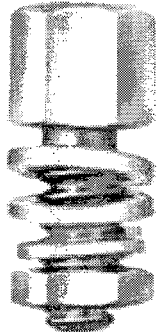
File Edit Go to Favorites Help

Convert Select

Citrix XenApp - Logon TELUS Webmail Inbox Garmin United States Ho...

Cannon D-Subminiature Accessory

Female Screw Lock



RoHS COMPLIANT
PART NUMBERS

Front Part

- Kit consists of 1 nut, 3 washer, 1 lock washer, 1 hex nut.
- Order 2 per connector.

4.78 ± 0.38
(.188 ± .015)

Material: Steel

Finish: Chromate over Cadmium (Mil Spec) or Zinc (RoHS)

NOTE: (1) A 6 inch/pot lock assemblies. (2) A

Yellow Chromate Over Cadmium each	Kit of 2 each	Chromate Over Zinc Kit of 2 each	RoHS Compliant Part Number	±
D20418-2	D20418-82	D20418-128	D20418-134	
D20418-50	D20418-131	-	D20418-135	
D20418-39	D20418-83	D20418-129	D20418-136	
D20418-74	D20418-132	-	D20418-137	

GRAEME ROWE
AVIONICS MANAGER

Toll-Free 1-800-564-6469

Tel: (403) 250-7370, Fax: (403) 250-7584

Email: growe@eaglecopters.com

www.eaglecopters.com

From: Mark Miele [<mailto:mmiele@eaglecopters.com>]

Sent: Tuesday, January 08, 2013 9:39 AM

To: Graeme Rowe ('Graeme Rowe (E-mail)')

Cc: Edowning@Dartaero.com

Subject: FW: D4728 Harness assemblies

Hi Graeme,

Can you take a look at this and advise Eric – see below for details

Regards,

Mark Miele,
Purchasing

Eagle Copters Maintenance
823 McTavish Road NE, Calgary, Ab, Canada T2E 7G9
Ph: 403-250-7370 Toll Free: 800-564-6469
Fax: 403-250-7110

From: Eric Downing [<mailto:edowning@dartaero.com>]

Sent: Monday, January 07, 2013 12:33 PM

To: Mark Miele; Harvey Siemens

Cc: 'L Lacelle'; psmith@dartaero.com; Cathy Kerr; Chantelle Lavoie

Subject: D4728 Harness assemblies

Hello Mark

I am Eric Downing, the QC Coordinator here at Dart, and I have found a small problem with the Harness you did for us on Dart PO#18452, Eagle Work order #49780.

We found on these D4728-044 /-045 /-046 harness assemblies that the eagle work order bill of material used called up D20418-2. D20418-2 lock is not found on our drawing, but we do ask for M24308/26-1F for the jack screw kit.

Is it possible for you and your team to supply us with the correct information that the D20418-2 is equivalent to M24308/26-1F in order for us to accept these harness. Either from your QA department or from the supplier to which the parts were purchased from. If not we will have to return them back to have the correct hardware installed.

Thanks

Eric Downing
QC Coordinator



DART AEROSPACE

T: 1-613-632-5200 ext 223

F: 1-613-632-5246

Edowning@Dartaero.com